DRAFT MEETING MINUTES

KELLLY AFB TECHNICAL REVIEW SUBCOMMITTEE (TRS)
TO THE RESTORATION ADVISORY BOARD (RAB)

12 June 2001, Las Palmas Library
515 Castroville Road
Dr. Lené TRS Chairman

Attendance

Dr. Lené, Chairman, Community Member
Mr. George Rice, Community Member
Ms. Kyle Cunningham, SAMHD
Mr. Názirite Pérez, Community Member
Mr. Scott Lampright, Community Member
Mr. William Ryan, AFBCA
Mr. Roy Botello, Community Member
Mr. Paul Person, Community Member
Mr. Nick Rodriguez
Mr. Bob Mueller, NJDEP
Ms. Vanessa Musgrave, AFBCA

I. Introduction: The meeting began at 6:42 p.m.

II. Presentation on Permeable Reactive Barrier Walls. Mr. Robert T. Mueller, NJDEP, presented information on the Interstate Technology and Regulatory Cooperation (ITRC), and technical/regulatory information on permeable reactive barriers. Several case studies outlining different environmental challenges were presented along with success rates and failures. Mr. Mueller also told members how to receive additional information on ITRC, it's resources, products and services.

Discussion:
Q. Mr. Scott Lampright asked about the price associated with the walls pertaining to the case studies that were presented.
A. Mr. Mueller replied that the price is determined by the wall design and that initially costs were high. However, over the years unit costs have decreased.

Q. Dr. Lené asked what was the iron grain size used in the walls?
A. Mr. Mueller replied that the grain size was similar to powder. This allowed for wider surface area coverage.

Q. Mr. George Rice asked if there were any types of long term permeability problems or clogging within the walls?
A. Mr. Mueller said the permeability of the walls could be adjusted and that site characterization and laboratory testing would alleviate those problems.

Q. Mr. Lampright asked if the case study examples were small compared to the Kelly plume?
A. Mr. Muller replied that yes these examples were small compared to the Kelly Plume. However, according to the modeling design for a plume, the design could include a number of walls to be used in conjunction with each other.

Q. Mr. Roy Botello, asked how the case study costs compared to other cleanup options?
A. Mr. Mueller said that costs were initially are high, but overall maintenance costs are low.

Q. Mr. Lampright asked what were the longevity of the walls?
A. Mr. Mueller said that longevity would be dependent on the design which would be determined by a thorough treatability study.

Q. Mr. George Rice asked if AFBCA was considering using these types of walls and was this technology one of the seven options presented to the public?
A. Mr. Ryan responded that yes, permeable barrier walls were considered in two applications for source control and plume wide treatment.

Q. Dr. Lené asked if the walls could be designed to withstand periods of dryness?
A. Mr. Mueller said that it was possible. San Antonio was not a unique situation and a similar application could have been performed elsewhere. He did not have an exact example but would forward more information to AFBCA.

Q. Mr. George Rice asked if there were any low limits to treatability by the walls. For example, in the case of Kelly AFB, would the walls bed able to treat below a level of 5ppb.
A. Mr. Mueller replied that there were not any limits regarding the treatment and yes, the walls could treat low-level contamination.

Q. Mr. Rice also asked if the iron in any of the walls needed to be replaced?
A. Mr. Mueller replied that yes the iron had to be replaced but replacement was determined by the design of the wall. Walls could be designed to treat contaminants for the life span of the plume.

III. Review of First Draft of Plume Maps for Public Distribution. William Ryan, AFBCA, reviewed the changes submitted by the committee members during the May TRS meeting. Members were pleased with the changes and made the additional following recommendations:

- Delete the explanation of the isoconcentration line
- Explain what realigned means, use the word transferred, and spell out acronyms such as AFBCA and GKDA. Show AFBCA's area of responsibility
- Show date of transfer from Kelly AFB to Lackland AFB
- Show the 0 and 1 ppb lines and delete the 5 ppb line (5 ppb is MCL)
- Make a note to state that estimated boundary is based on limited data
- Clarify dotted lines. The lines are confusing: both railroad tracks and plume lines use the same symbol type

- Item number six in the legend is too technical. Re-write and use an example that is more visual.
- Rewrite note number three into two statements and simplify
- Place the acronym MCL after the words Maximum Contaminant Level in the legend
- Outline council districts
- Data Sources - designate that the map is designed with 1999-2000 data and review the data sources for corrections
- List "area of AFBCA responsibility"
- Show the property that is being transferred to GKDA
- Spell-out TCE in the title
- Delete item number one in the legend
- Replace the word contours in item number three with "shaded areas"
- Review "white spots"on the map – were they intentional, and are they correct?
- In item number six, replace the last sentence to read "the shallow groundwater in this area is not used for drinking."
- Add the Kelly Public Information Line number, 925-0956, in the legend as a contact number for questions or comments.

V. Administrative:

A. BCT meeting update. No update.

B. Spill Report. The following reports were distributed to the members:
1. Spill of Untreated Groundwater at IRP Site S-1, KAFB
2. Release from Groundwater Bio-Augmentation Test Plot #2 near Building 360, KAFB
3. Wastewater Release at the Environmental Process Control Facility, KAFB

C. Documents delivered to RAB: ?

D. Action Items: Mr. George Rice requested a copy of the detailed notes written by Mr. John Folk Williams, facilitator, at the April TRS meeting. He asked that the notes be mailed to the committee members.

E. Agenda for Next Meeting: No items were discussed.

F. Next TRS meeting: The next TRS meeting will take place at 6:30 p.m. on August 14, 2001. Location to be determined.

Adjournment: The meeting adjourned at 9 p.m.